

LIGHT EMITTING DEVICE AND LED DISPLAY USING THE SAME**Publication number:** JP10190065 (A)**Also published as:****Publication date:** 1998-07-21

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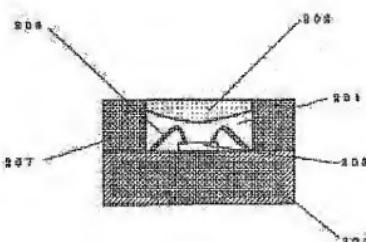
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Application number: JP19960350253 19961227**Priority number(s):** JP19960350253 19961227**Abstract of JP 10190065 (A)**

PROBLEM TO BE SOLVED: To obtain a light emitting device which enables white light to be emitted at high luminance with little tone irregularity in a light emission observed surface of providing a second coating part containing fluorescent material which emits visible light on being excited by visible light from an LED chip on a first coating part.

SOLUTION: An LED chip 203 wherein a gallium nitride compound semiconductor is a light emitting layer is subjected to die bonding by epoxy resin inside a recessed part. Each electrode of the LED chip 203 and an outside electrode 204 are subjected to wire bonding. Epoxy resin is applied to the LED chip 203 and is dried to be formed to a first coating part 201. Then, a matter formed by adding fluorescent material into a base of silicone resin is formed on the first coating part 201 as a second coating part 202. The first coating part 201 and the second coating part 202 form a multilayer structure. A cross sectional end part of the second coating part 202 rises.



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